Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/26/2018 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125650	0	1.85	125536	1.79
Blue	F	SSC	125000	123919	-1	2.85	124322	2.57
Blue	E	FITC	23615	22759	-4	2.82	1011	10.67
Blue	D	PE	26739	26293	-2	2.30	944	9.95
Blue	B	PerCP-Cy5-5	48339	47545	-2	3.59	1362	17.76
Blue	A	PE-Cy7	45021	44860	-1	5.33	692	37.57
Red	C	APC	53064	52021	-2	2.83	2996	9.88
Red	A	APC-Cy7	57175	56248	-2	2.96	1169	11.77
Violet	B	V450	14728	14004	-5	4.72	671	9.50
Violet	A	V500	58621	56455	-4	4.58	2491	6.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19914	3.02	611	-3	N/A	N/A	Pass
Blue	F	SSC	61357	1.77	553	7	N/A	N/A	Pass
Blue	E	FITC	113	40.60	548	0	0.0195	182	Pass
Blue	D	PE	206	30.04	539	3	0.1630	279	Pass
Blue	B	PerCP-Cy5-5	214	46.62	639	4	0.0091	76	Pass
Blue	A	PE-Cy7	74	126.69	698	5	0.0106	14	Pass
Red	C	APC	341	28.53	602	5	0.0182	12	Pass
Red	A	APC-Cy7	128	42.17	586	6	0.0049	1508	Pass
Violet	B	V450	81	43.61	463	-7	0.0444	1971	Pass
Violet	A	V500	181	24.19	490	-7	0.0156	948	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.42	-31.01	0.96
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	16.18	14.40 - 21.60	N/A	N/A	30.95	31.24	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 15214

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments